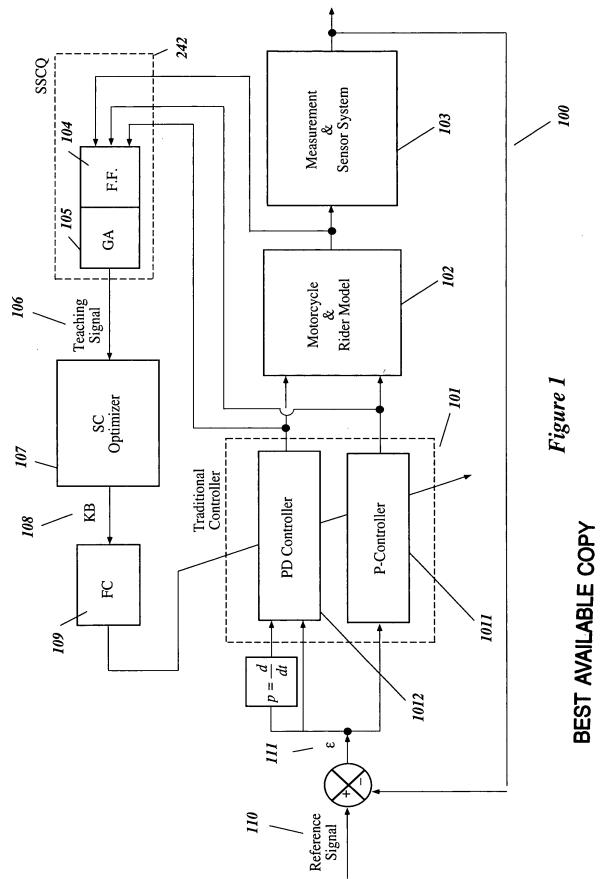
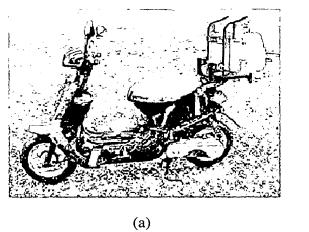
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Attorney Docket Number: FY.51395US0A Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



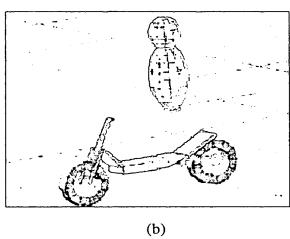
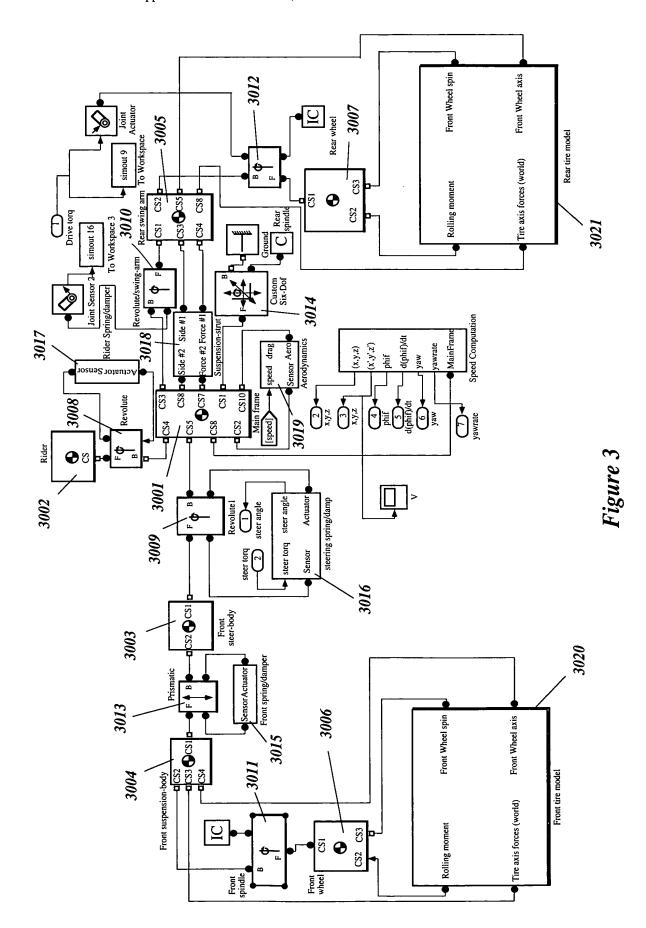


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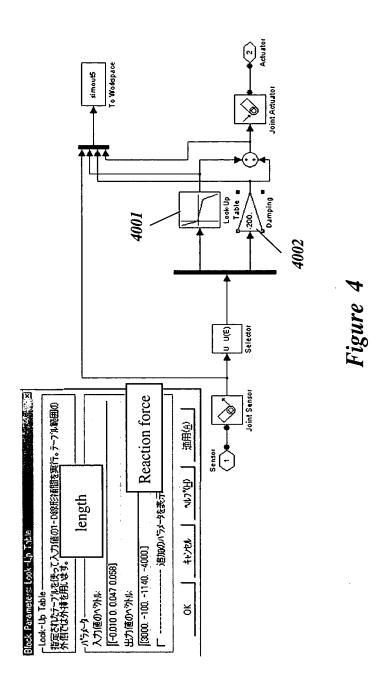
Applicant: Fujii et al.

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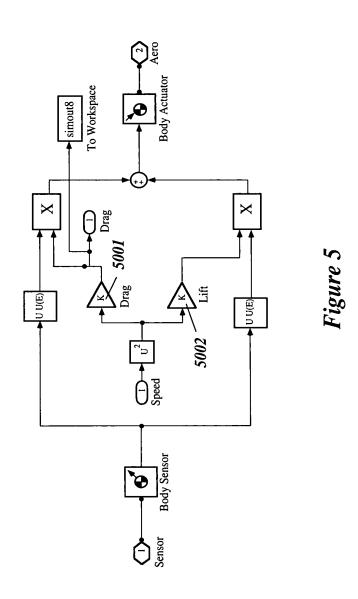
Applicant: Fujii et al.

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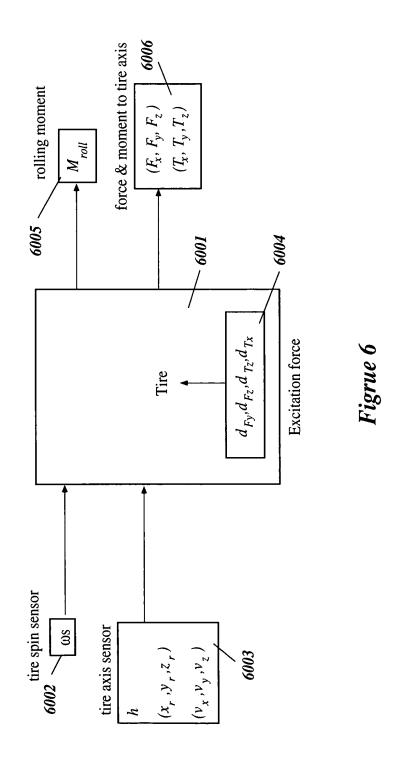
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Attorney Docket Number: FY.51395US0A Applicant: Fujii et al.

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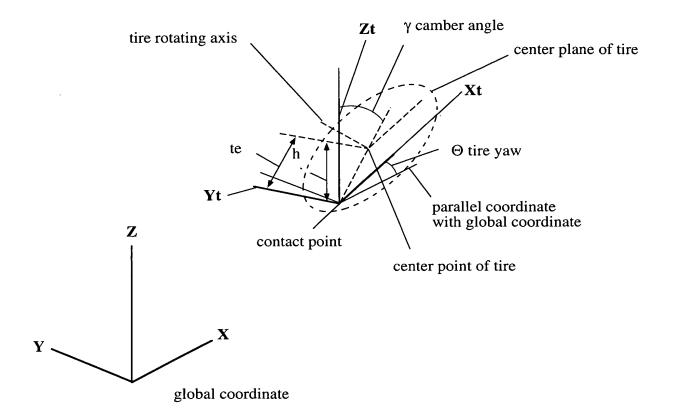
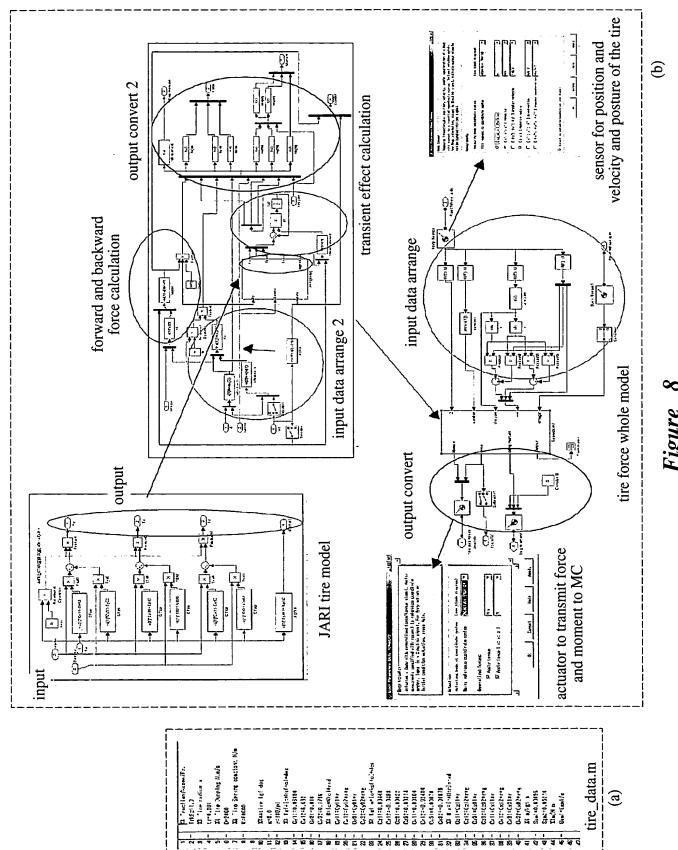


Figure 7

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.
Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

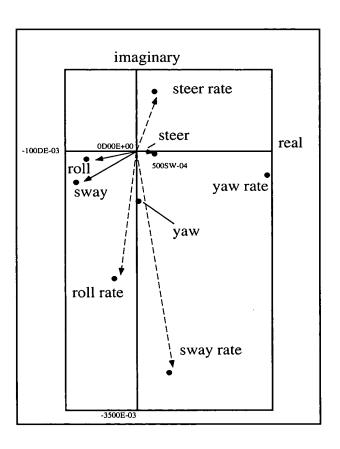


Figure 9

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

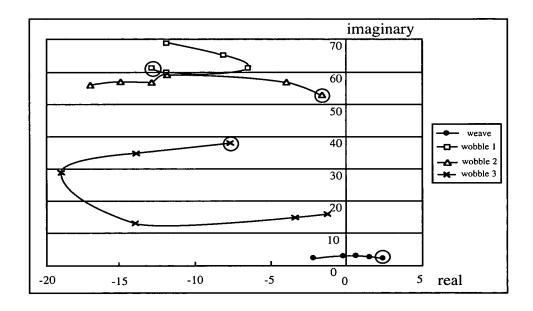
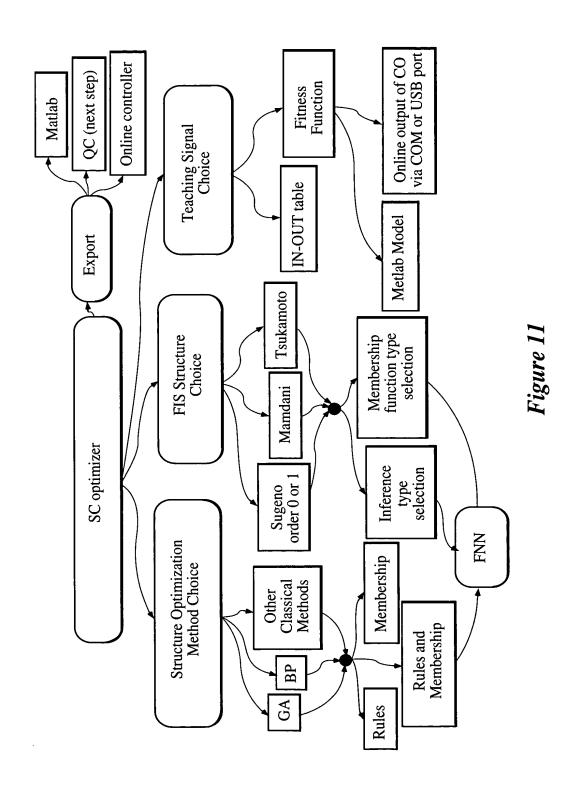


Figure 10

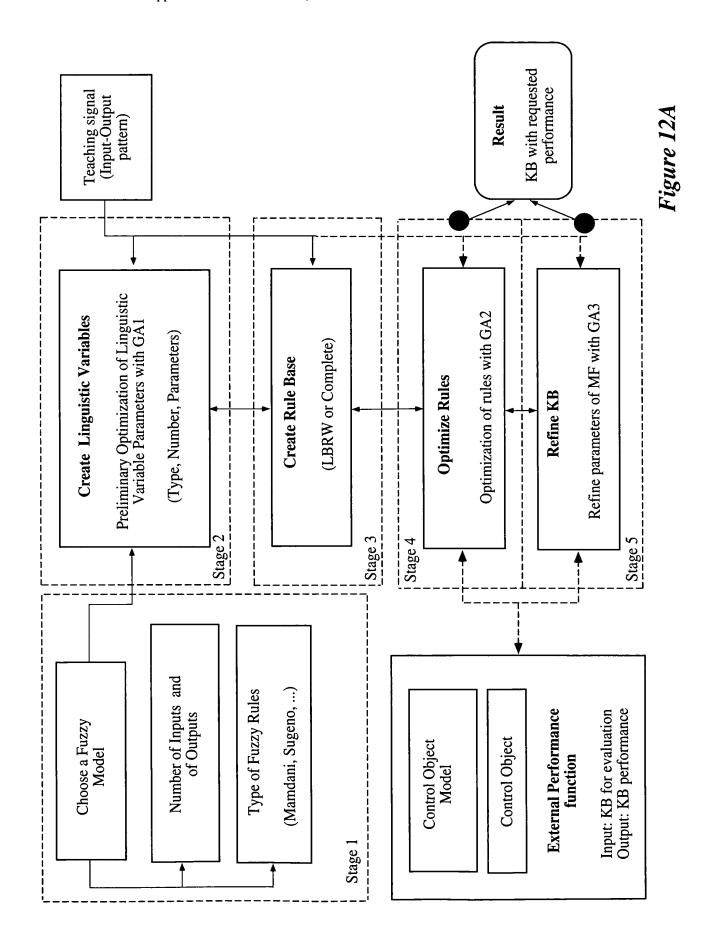
Applicant: Fujii et al.

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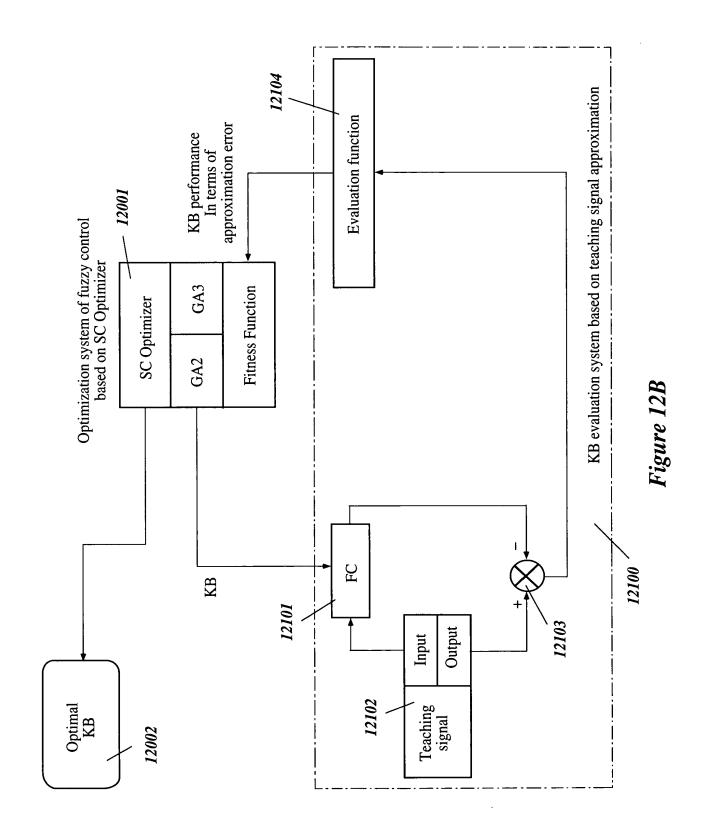
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Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



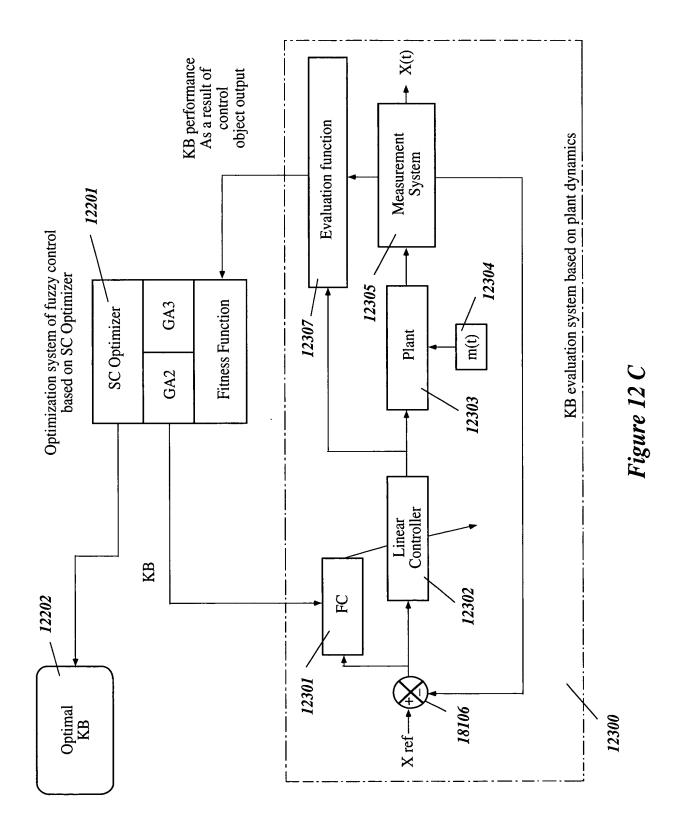
Applicant: Fujii et al.

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Applicant: Fujii et al.

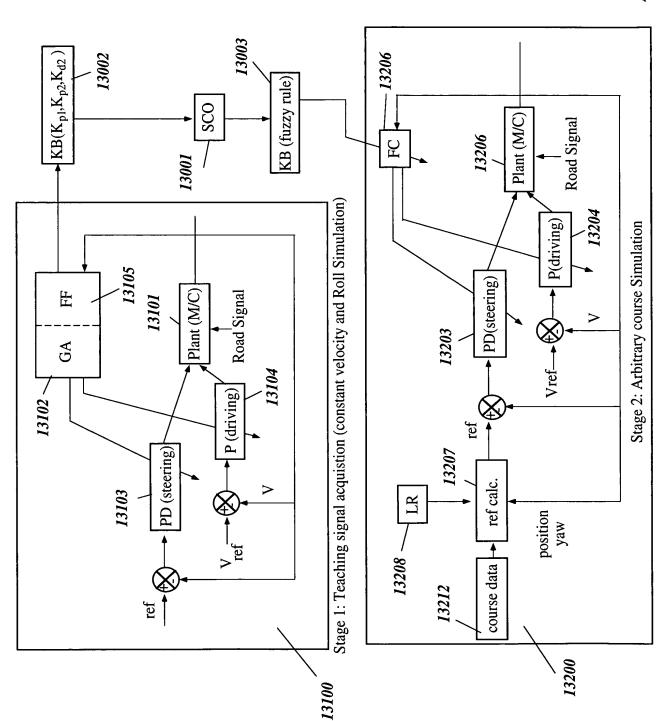
Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

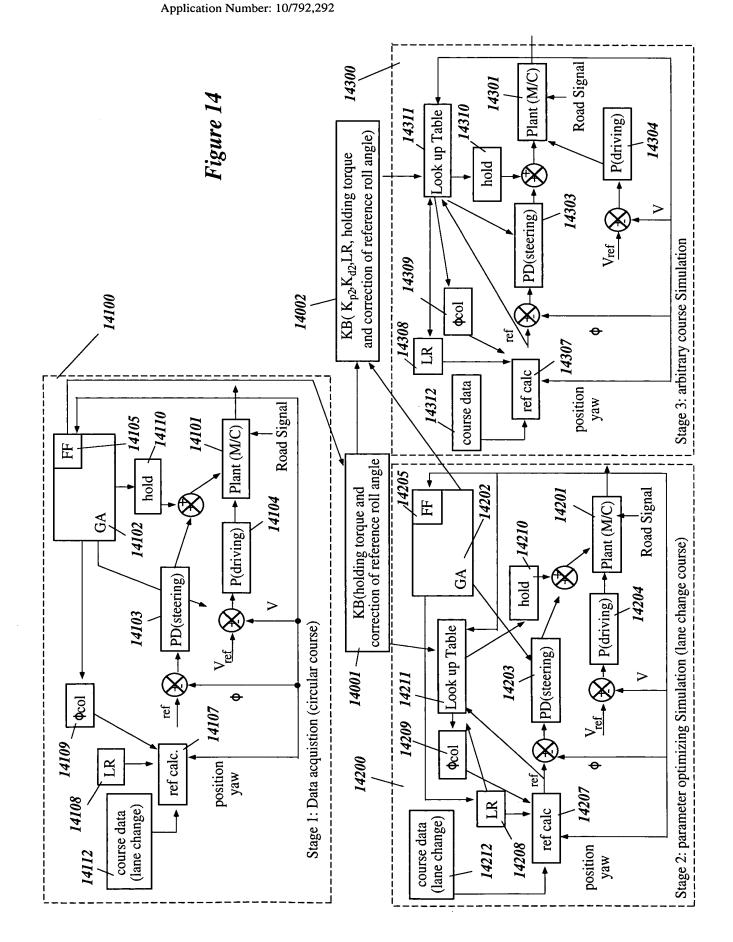
Figure 13



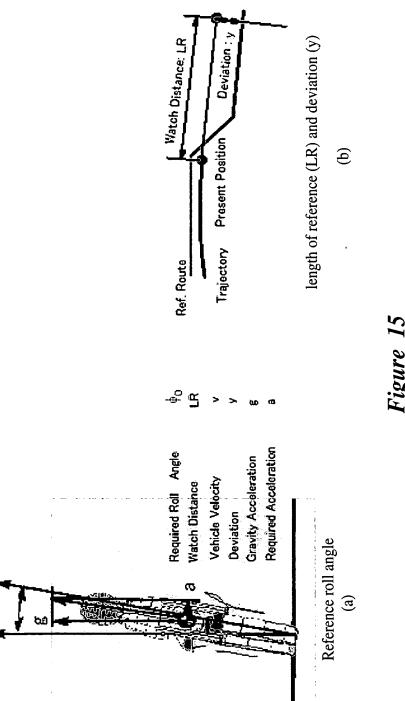
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MOTORCICLE USING SOFT COMPUT

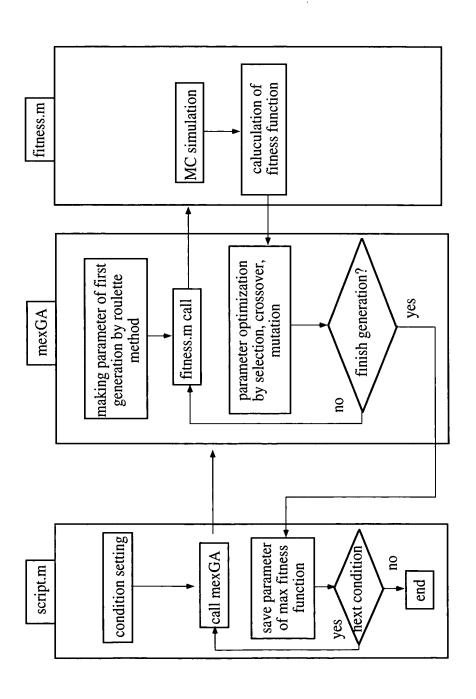


Attorney Docket Number: FY.51395US0A
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Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

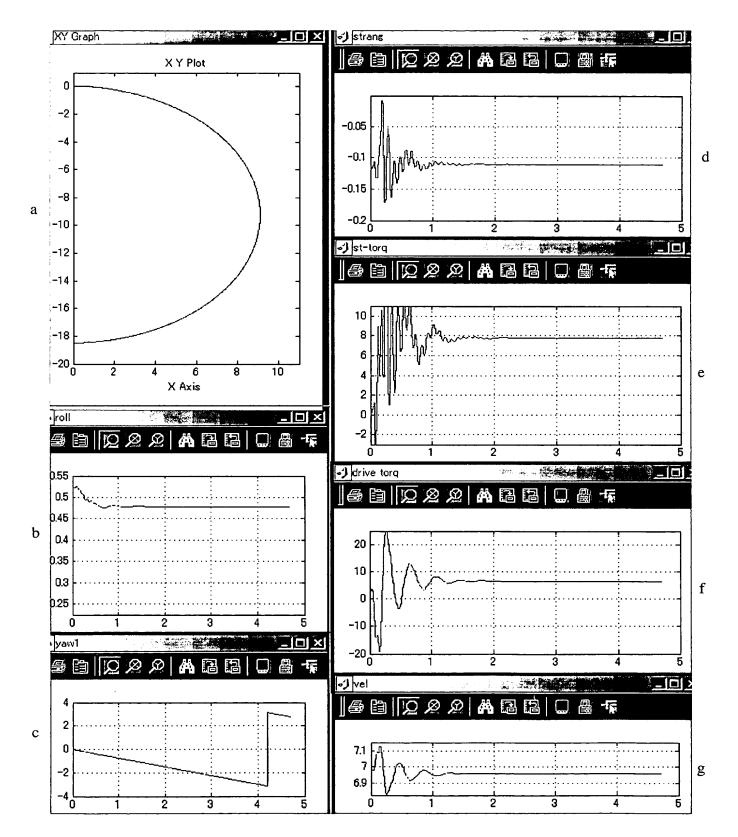


Figure 17

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

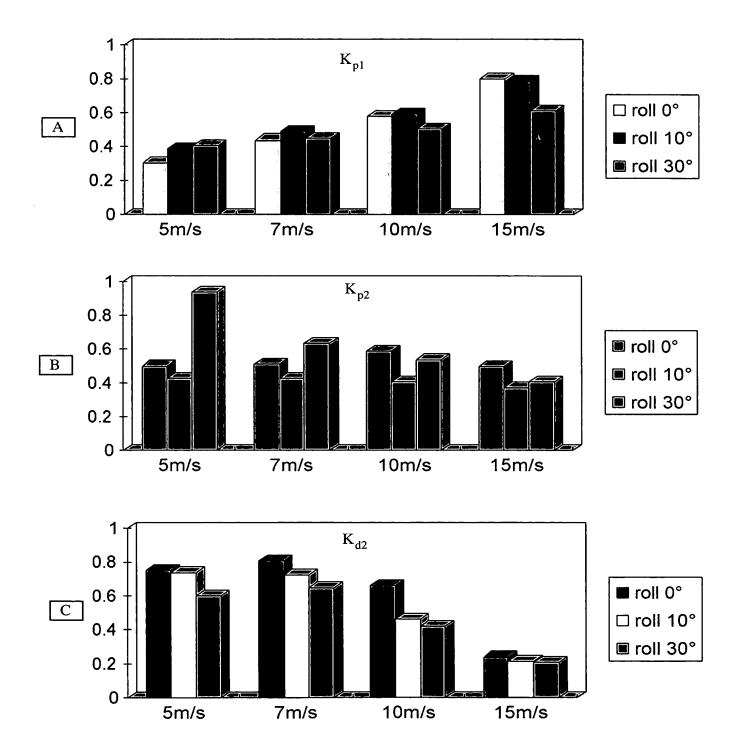


Figure 18

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

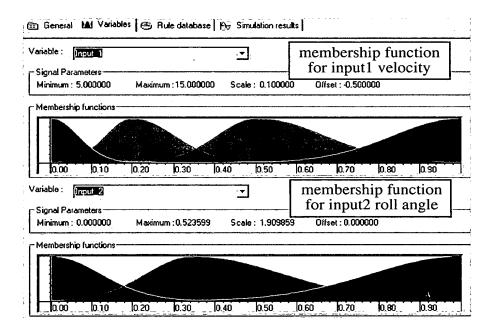
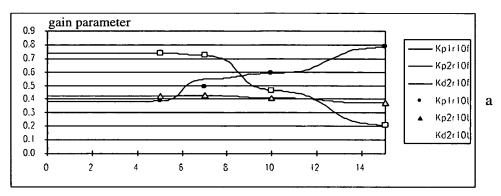


Figure 19

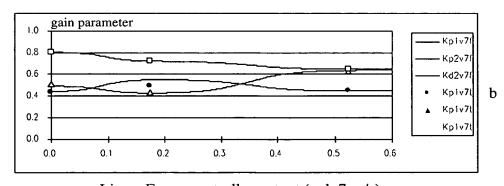
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

Application Number: 10/792,292



Lines: Fuzzy controller output (roll 10 deg) point: Teaching signal (roll 10 deg)



Lines: Fuzzy controller output (vel. 7 m/s) point: Teaching signal (vel. 7 m/s)

Figure 20

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

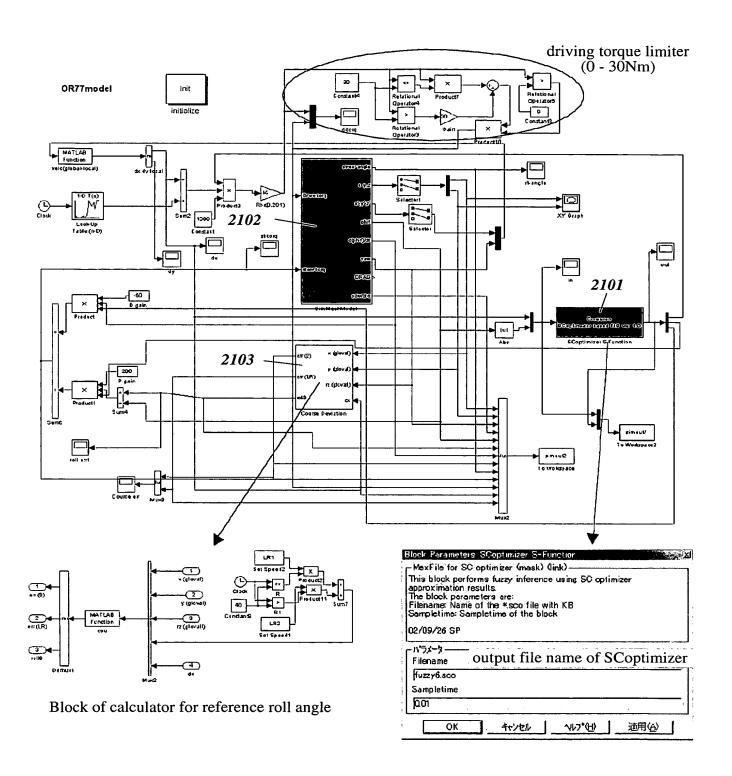
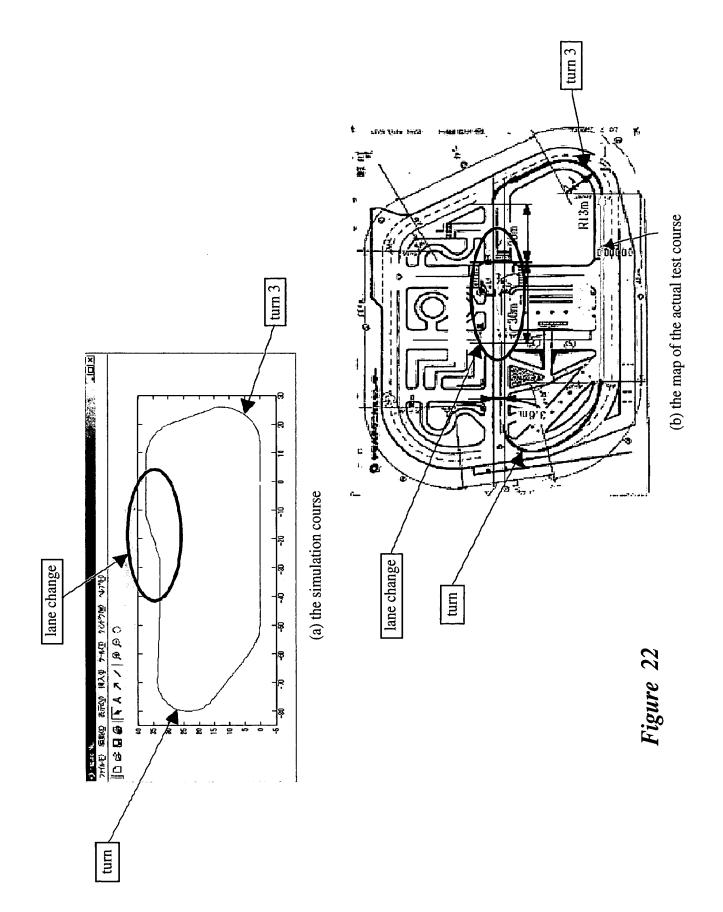


Figure 21

Attorney Docket Number: FY.51395US0A Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

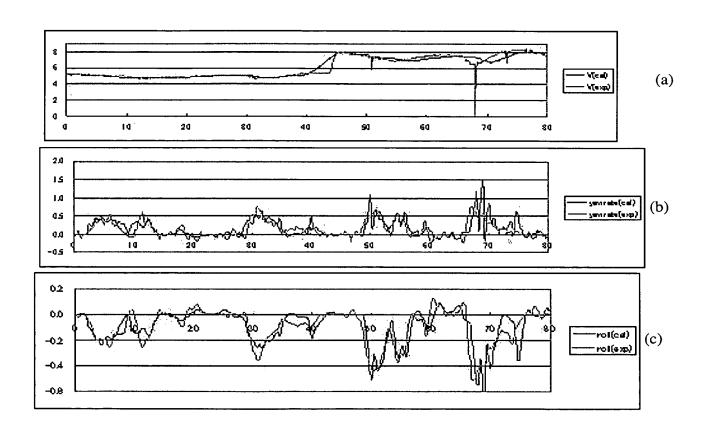


Figure 23 (a-c from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

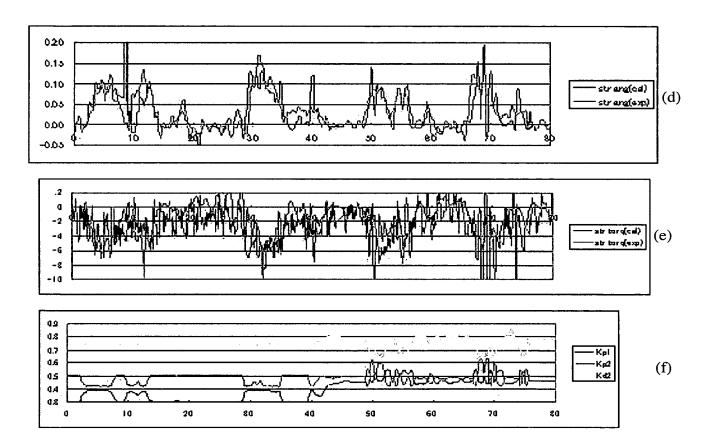


Figure 23 (d-f from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

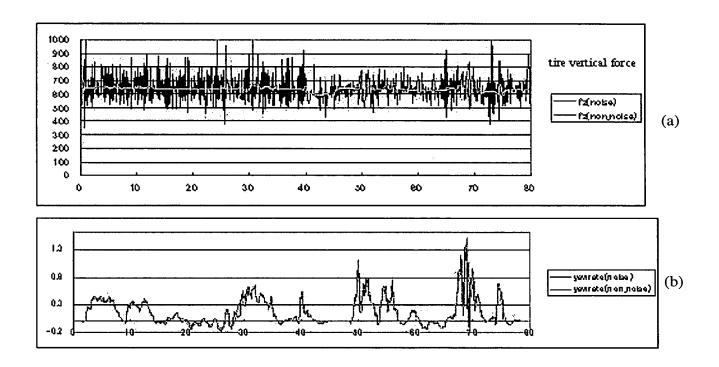


Figure 24 (a-b from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

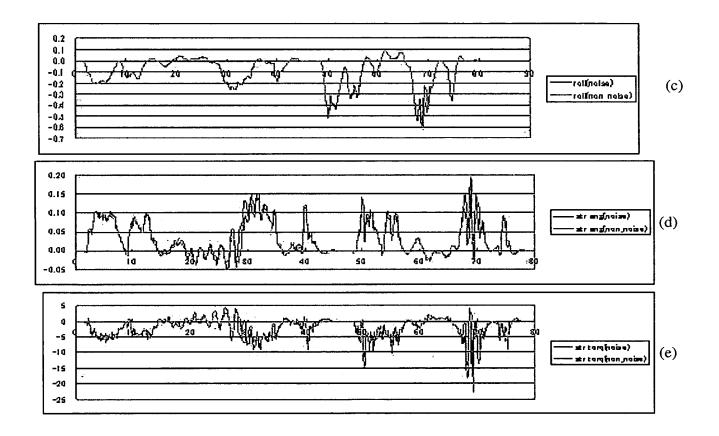


Figure 24 (c-e from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

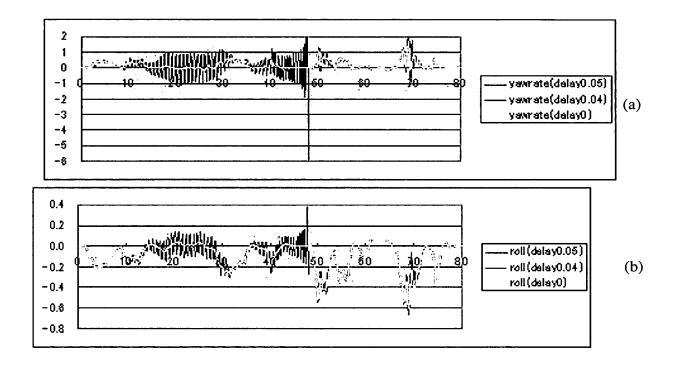


Figure 25 (a-b from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

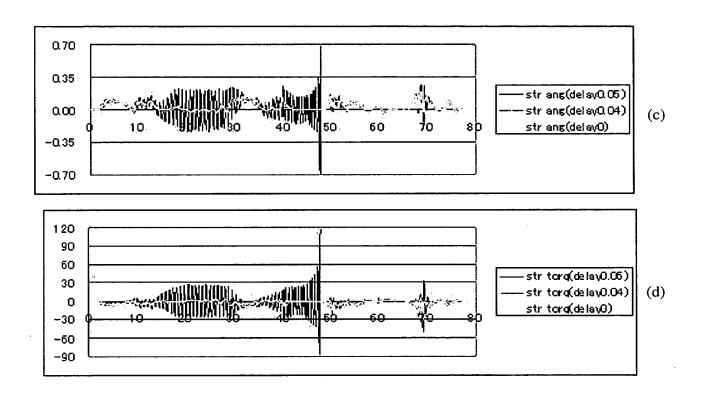
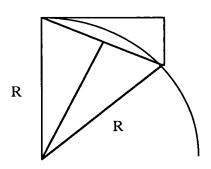


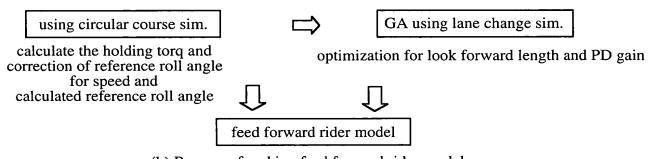
Figure 25 (c-d from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



(a) Relation between deviation of course at length of reference and turning radius



(b) Process of making feed forward rider model

Figure 26

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Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

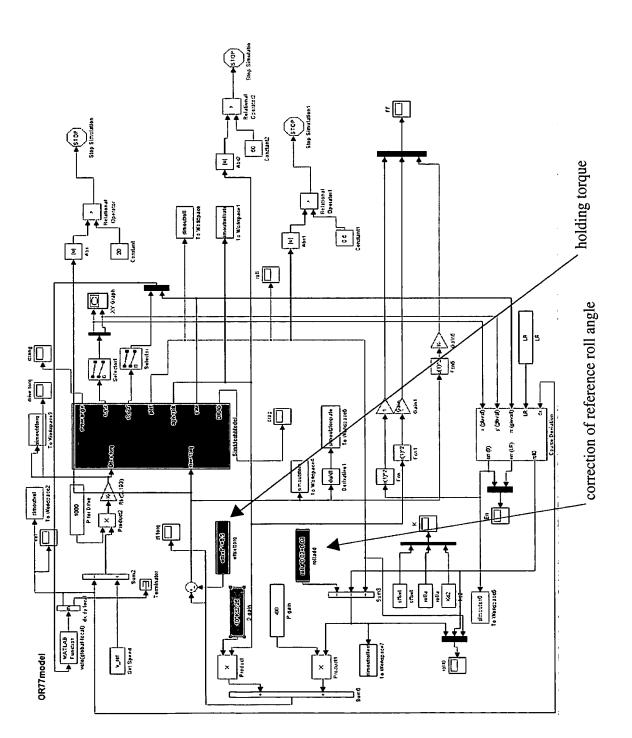


Figure 27

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

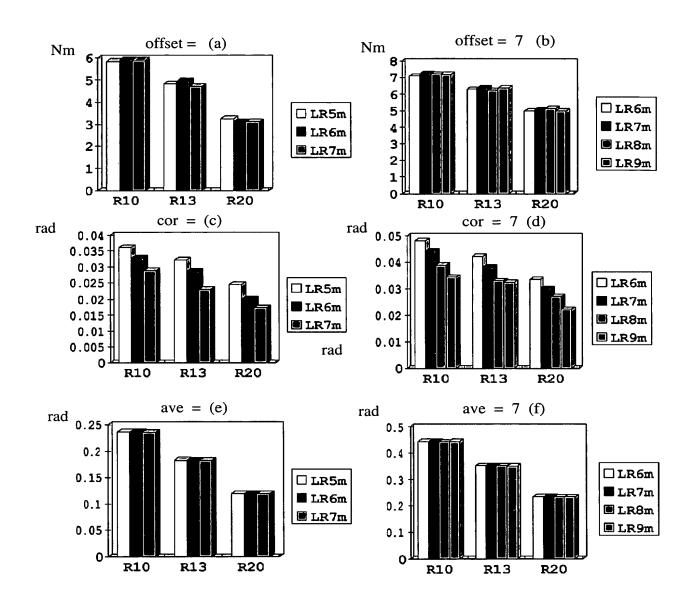
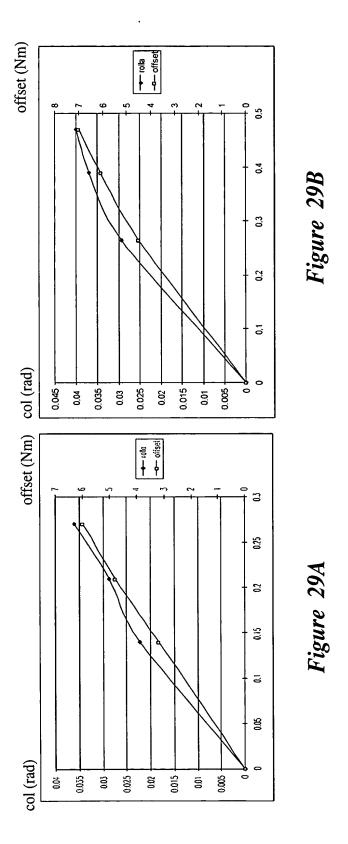


Figure 28 (a-f)

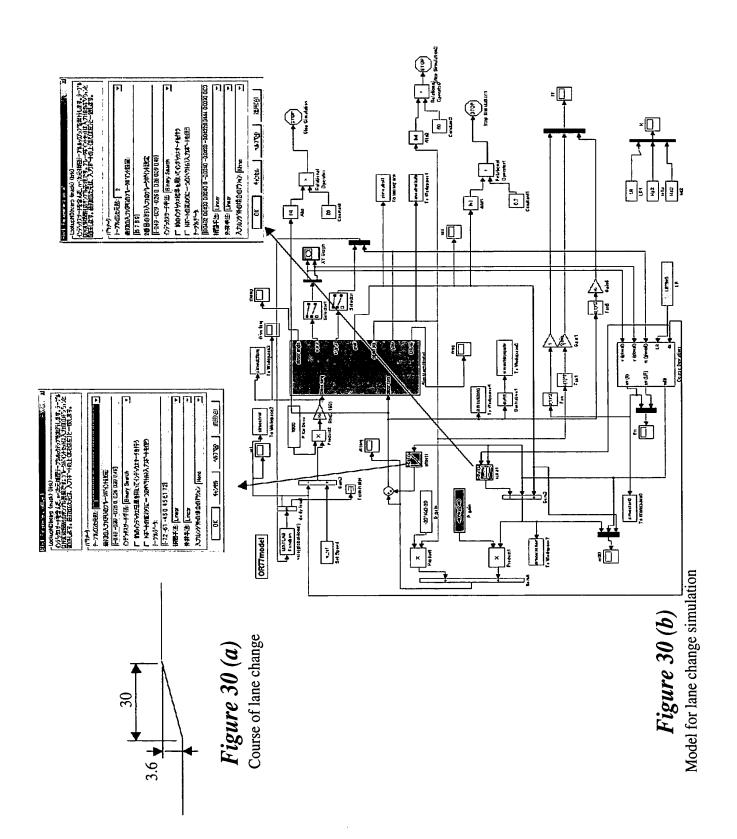
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



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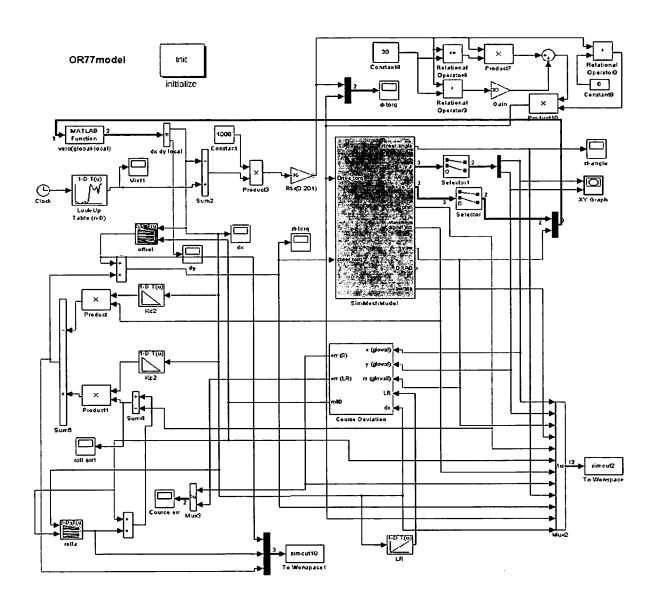
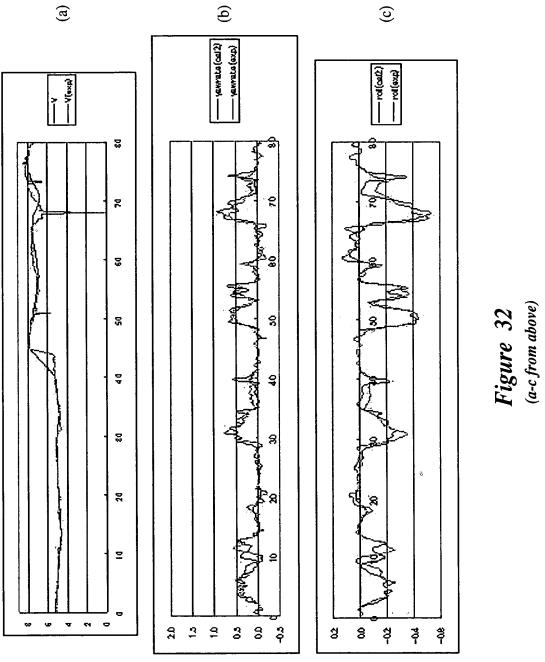


Figure 31

Applicant: Fujii et al.

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MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

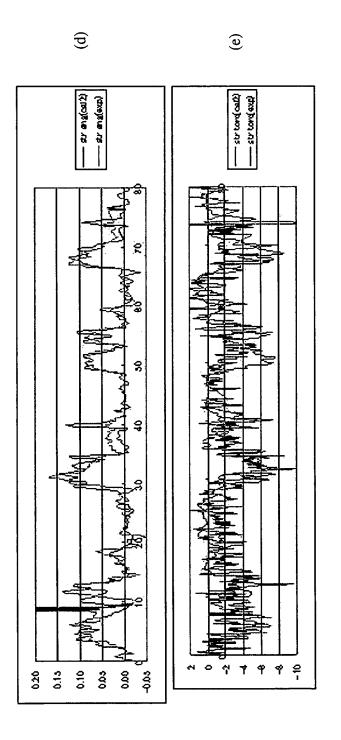


Figure 32 (d-e from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

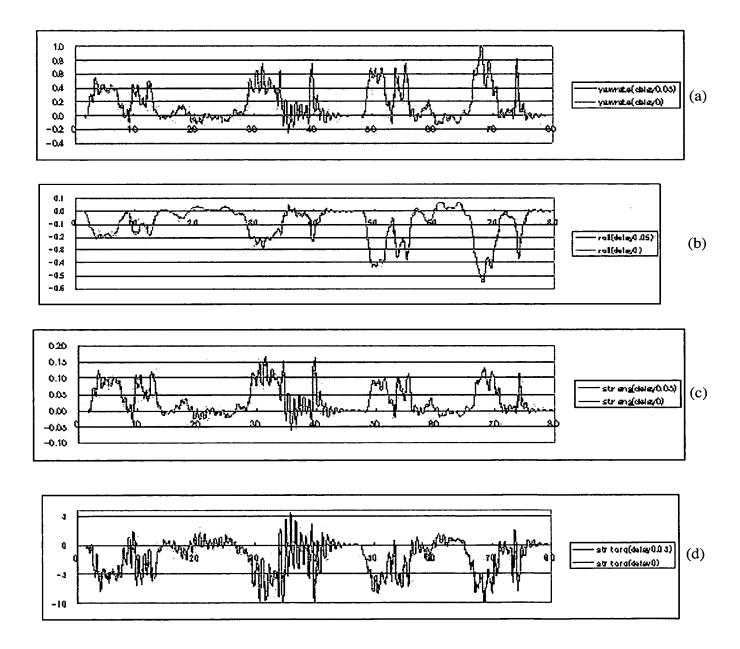
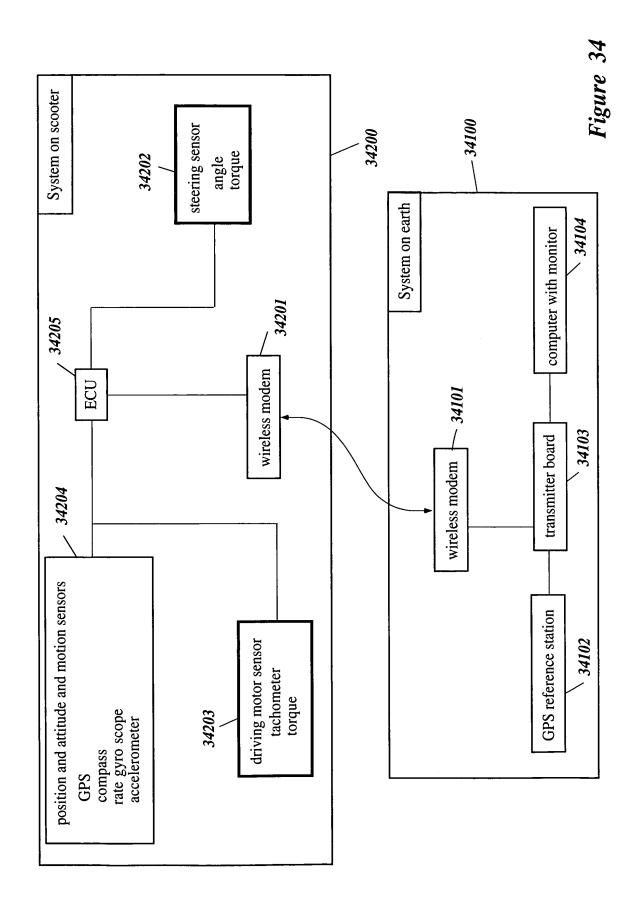


Figure 33 (a-d from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Attorney Docket Number: FY.51395US0A Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR
MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

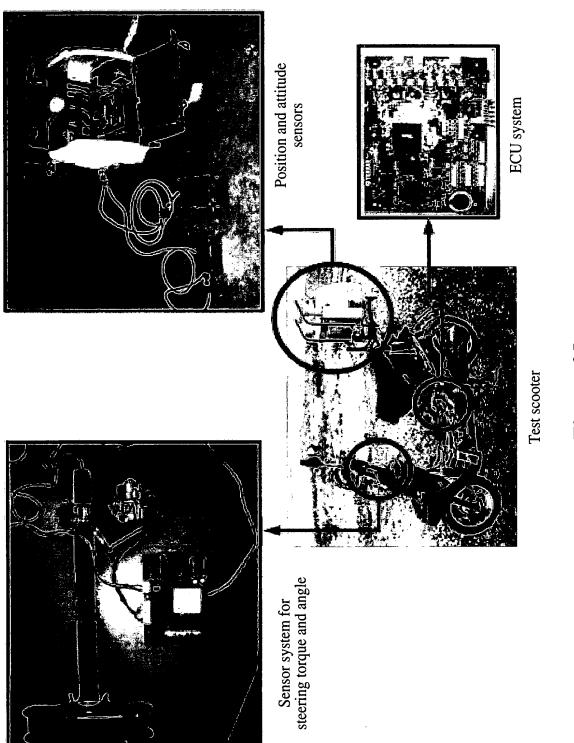


Figure 35

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

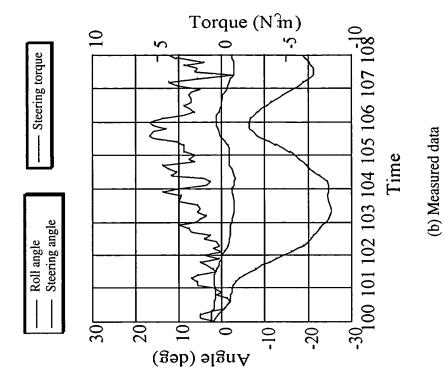
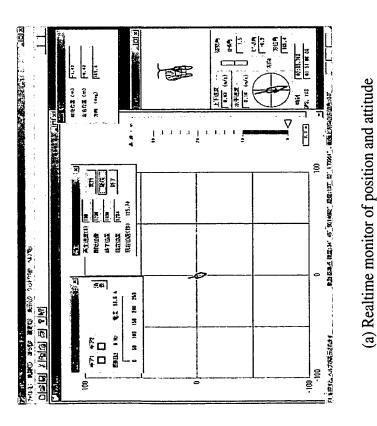


Figure 36



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